

**FOSTER WHEELER ENVIRONMENTAL CORPORATION**

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C O N F I D E N T I A L

To:

DON HANKINS

From:

DOUG DAVY

Fax:

414-6712

Pages:

4

(Incl. cover)

☐ Urgent☐ For Your Information☐ For Review☐ Please Comment☐ Please Reply

Message:

*Screening Tests - Russell City
Energy Center.*

*DOUG DAVY
916-4805*

RECEIVED

JAN 28 2002

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FISH & WILDLIFE OFFICE

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Our mission is to conduct a global business directed toward cleaning up and protecting the environment while facilitating economic growth, and to do so in a safe, compliant, cost-effective manner. Of paramount importance to us is providing Client Service Quality[®] which translates to responsiveness and best value.

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Douglas Davy
01/25/02 09:27 AM

To: don_hankins@fws.gov
cc: andrea_argonautconsulting.com
Subject: Russell City Energy Center landscape trees

Hi Don,

When we met a few weeks back to discuss the Russell City Energy Center, one of the topics we discussed was the use of screening trees for landscaping the project that would not encourage raptors to perch for predation and egg predators to perch and nest. Our landscape architects have looked over the list of approved species that you provided (from the Pacific Shores project) and have suggested a couple of species that would work well for landscaping and, they believe, would have similar perch deterrent characteristics. Please review this list and let us know if these would be acceptable species to use.

Thanks very much,

Douglas M. Davy
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----- Forwarded by Douglas Davy/Sacramento/FWENC on 01/25/02 08:05 AM -----



Scott Muller
01/24/02 06:00 PM

To: Douglas Davy/Sacramento/FWENC@FWENC
cc: Brent Moore/Sacramento/FWENC@FWENC
Subject: Trees- RCEC

Dave:

I just wanted to remind you that we still need to get approval for five species of trees you sent the US Dept of Fish & Wildlife on December 17, 2001 before I can proceed with revisions to the Conceptual Landscape Plan for Russell City Energy Center. The five trees were:

California Pepper (Schinus molle)
California Bay (Umbellularia californica)
Myoporum (Myoporum laetum)
Horsetail Tree (Casurina equisetifolia)
Arizona Cypress (Cupressus arizonica)

The Australian Pepper (Schinus terebinthifolius), California Bay, Arizona Cypress and other species of the Horsetail Tree are already on US Fish & Wildlife's Pacific Shores List! The species of Horsetail above grows to 40-60ft. and although not on the list, two other species are on the list and this species has drooping branches which prevent perching. These are tree species that will do well in the wetlands area, are evergreen and should not pose a perching problem.

Attached are the species above discussed in detail.



Trees - USF&W approval 1-24-02.d

Scott C. Muller
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1/24/02

Doug:

The following are my comments on the five species of trees that we are trying to obtain approval from the US Department of Fish & Wildlife for:

California Pepper (Schinus molle): Evergreen, compact rounded tree with flimsy, weeping branches with fast growth rate. The California pepper grows to a height of 30-40ft high with equal width. Very drought tolerant and tolerant of poor soils and soils high in salinity. A handsome tree for screening purposes. Only problem is that it drops litter and may reseed itself. The Brazilian pepper (Schinus terebinthifolius) is already on the Pacific shore Center of trees recommended by USF&W, however, it reseeds itself and has a more upright form.

California Bay (Umbellularia californica): Already on the list and rated Moderate to High by USF&W. Evergreen tree which is moderate to fast in growth rate growing to a height of 25ft with an equal width. Very wind tolerant and tolerant to many soils but needs deep soil with regular watering. An excellent tree for screening or background planting. Ideal for planting at the Southeast corner of the site or along the perimeter of the site.

Myoporum (Myoporum laetum): Evergreen tree with a rounded, very dense, compact form, with very fast growth, growing to a height of 30ft with 20 ft spread. Already growing in mass, to the North of the site in the wetlands area. Very wind and salt tolerant. Excellent for screening purposes due to its fast growth, dense handsome form and toughness to climatic conditions. Branches grow all the way to the ground.

Horsetail Tree (Casuarina equisetifolia): Very similar to the Drooping she-oak (Casuarina Stricta) which is on the USF&W list and rated moderate to high in that it has drooping branches, however, the horsetail Tree grows faster and grows to a height of 40-60ft. with a 20 ft. spread. Very tolerant to wind and salt spray and saline soils. Would be an excellent tree for screening the larger structures of the PP.

Arizona Cypress (Cupressus arizonica): Already on the USF&W list and rated Moderate to High. Evergreen, grey-green color, with a pyramidal form that grows to 40ft high with a 20ft spread. Moderate to fast in growth rate and drought tolerant and tolerant to poor soils. Excellent for screening especially at the Southwest corner of the site or along the South side to soften the visual impact of the wave structure.

Hope this provides better insight as to why we are recommending these specific tree species for approval. If you have any questions about growth characteristics, appearance or suitability to site conditions please call me.

Scott